Rube Goldberg Machines Grading Rubric

Group member names: __________________________

Chosen machine goal:
☐ dump goldfish into a bowl
☐ pop a balloon
☐ drop candies into soda pop

1. Does the entire Rube Goldberg machine work? Is the end goal achieved?
   ☐ yes ☐ no __________ /25 points

2. Are each of the following simple machines included as part of the design?
   • Lever __________ /5 points
   • Pulley __________ /5 points
   • Inclined plane __________ /5 points
   • Screw __________ /5 points
   • Wedge __________ /5 points
   • Wheel and axle __________ /5 points

3. Does each simple machine work?
   • Simple machine #1 __________ /5 points
   • Simple machine #2 __________ /5 points
   • Simple machine #3 __________ /5 points
   • Simple machine #4 __________ /5 points
   • Simple machine #5 __________ /5 points
   • Simple machine #6 __________ /5 points

4. Does each simple machine trigger the next simple machine?
   • Transition #1 __________ /5 points
   • Transition #2 __________ /5 points
   • Transition #3 __________ /5 points
   • Transition #4 __________ /5 points
   • Transition #5 __________ /5 points

5. How long does the whole contraption take to run?

   __________ × 3 points per second = __________ points

Comments:

Total Points = ________

Splash, Pop, Fizz: Rube Goldberg Machines Activity—Grading Rubric